|  | Index of Claims                      |  |                      |        |                   |                    |          |              |                      |  |   |                |              | phoduotivoontror No. |               |                   |               |        |        |        |            | Reexamination                                |          |        |                |               |          |            |         |
|--|--------------------------------------|--|----------------------|--------|-------------------|--------------------|----------|--------------|----------------------|--|---|----------------|--------------|----------------------|---------------|-------------------|---------------|--------|--------|--------|------------|--|----------|--------|----------------|---------------|----------|------------|---------|
|  |                                      |  |                      |        |                   |                    |          |              |                      |  |   |                | 10/660,730   |                      |               |                   |               |        |        |        |            | GROSS ET AL.                                 |          |        |                |               |          |            |         |
|  |                                      |  |                      |        |                   |                    |          |              |                      |  |   |                | r            | Examiner             |               |                   |               |        |        |        |            |  | Art Unit |        |                |               |          |            |         |
|  |                                      |  |                      |        |                   |                    |          |              |                      |  |   |                |              | Samuel M. Heinrich   |               |                   |               |        |        |        |            |  | 1725     |        |                |               |          |            |         |
|  |                                      |  |                      |        |                   |                    |          |              |                      |  |   |                |              | Jai                  | nut           | ei ivi. mellilich |               |        |        |        |            |  | 1125     |        |                |               |          |            |         |
| / Rejected (Through numer  |                                      |  |                      |        |                   |                    |          |              |                      | era  | ıl)                                     | 7              | П            |                      |               |                   |               | 1      |        | Appeal |            |  |          |        |                |               |          |            |         |
|  | √ Rejected — (Through nume Cancelled |  |                      |        |                   |                    |          |              |                      |  | ,                                       | N              | Non-Elected  |                      |               | ,                 | A             |        |        |        |            |  |          |        |                |               |          |            |         |
|  | = Allowed +                          |  |                      |        |                   |                    |          | Restricted   |                      |  |   |                |              |                      |               | Interference      |               |        | ]      | 0      | Objected   |  |          |        |                |               |          |            |         |
|  |                                      |  |                      |        |                   |                    |          | Nestricted   |                      |  |   |                | ,            |                      |               |                   |               |        |        |        |            | Objected                                     |          |        |                |               |          |            |         |
|  | Claim Date                           |  |                      |        |                   |                    |          | Claim        |                      |  |   |                |              | Date Claim           |               |                   |               |        |        | Т-     |            |  | Date     |        |                |               |          |            |         |
|  |                                      | $\overline{}$  | æ                    |        | ΤĬ                |                    | П        | Т            | 1                    |  | <u> </u>                                | ୯              | Т            |                      | T             | ΪΤ                | Т             | Т      | -      |        |            | T  | Т        | Τ      |                | T             | Т        | Τ          |         |
|  | Final                                | Original   | <del>४</del> %<br>७५ | -      |                   |                    |          |              |                      | Final  | iging                                   | 08<br>08<br>05 | -            |                      |               |                   |               |        |        | Final  | Original   |  |          |        |                |               |          |            |         |
|  | <b>"</b>                             | ŏ  |                      |        |                   |                    |          | Î            |                      |  | ō                                       | 11             | -            |                      |               |                   |               |        |        | L      | 6          |  |          | ļ      |                |               | Î        |            |         |
| l  |                                      | 1  | +                    |        |                   |                    |          | 2            | 21<br>22<br>23<br>24 |  | E)                                      | 4              | $\downarrow$ |                      |               |                   | ightharpoonup |        |        |        | 101        |  |          |        |                | 1             |          |            |         |
| 12345678901123   |                                      | 77   |                      | +      | ++                | +                  |          | 2            | 42<br>23             |  | 100 00 00 00 00 00 00 00 00 00 00 00 00 | + 7 +          | +            |                      | <del> </del>  | $\vdash$          | +             | -      | -      |        | 102<br>103 | ++   | +        | -      | $\vdash$       |               | -        | $\vdash$   |         |
| 4  |                                      | TA.  |                      |        |                   |                    |          | 2            | 24                   |  | 14                                      | 7              | 1            |                      |               |                   |               |        |        |        | 104        |  |          |        |                |               |          |            |         |
| 2  |                                      | 1/5y<br>1/6.   | H                    | -      | ++                | +                  | _        | 2            | <b>25</b> :          |  | <b>X</b>                                | 1              | +            |                      | ┡             | $\vdash$          | $\dashv$      | 4      | 4      |        | 105<br>106 | $\sqcup$                                     | -        | -      | $oxed{oxed}$   |               |          | lacksquare |         |
| 7  |                                      | 17   |                      | +      | $\dagger \dagger$ | +                  | -        | 2            | 16<br>17             | -  | <b>经</b>                                | 7              | +            | -                    | $\vdash$      | $\vdash$          | +             | -      | -      |        | 107        | $\vdash$                                     |          | +      | $\vdash$       | $\dashv$      | +        | $\vdash$   |         |
| 8  |                                      | 1/8  |                      |        |                   |                    |          | 2            | 28<br>≥9             |  |   | 7              | 7            |                      |               |                   |               | 1      | ]      |        | 108        |  |          |        |                |               |          |            |         |
| 10   |                                      | 10   |                      | +      | $\vdash$          | +                  | $\vdash$ |              |                      |  | 80                                      |                | ,            |                      |               |                   |               |        |        |        | 109<br>110 | $\vdash$                                     | _        | +      | Н              | $\rightarrow$ | -        | Н          |         |
| Ü  |                                      | 4  |                      |        |                   |                    |          | 23           | 8                    |  | 44.                                     |                |              | 222                  |               |                   |               |        | 1      |        | 111        |  | -        |        | Н              | $\dashv$      | +        | $\vdash$   | !<br>•. |
| 12   |                                      | 12/  |                      |        | -                 | $\perp$            | _        | 75           | 19                   |  | 120                                     |                | +            | 4                    |               |                   | _             | 4      | _      |        | 112        |  |          | $\bot$ |                |               |          | П          |         |
| uluu   |                                      | V.   |                      |        | -                 | ╅_                 | +        | - Z          | 9090                 |  | <b>54</b>                               | $\vdash$       | +            | _                    | 1             | $\vdash$          | $\dashv$      | +      | -      |        | 113        |  |          | +      | ╁╌╽            |               | +        | $\vdash$   |         |
| 73   |                                      | 1/2  | ++4                  |        |                   | $\perp$            | $\Box$   | 2            | 92                   |  |   |                |              |                      |               |                   |               |        | _      |        | 215        |  |          |        |                | $\Box$        |          |            |         |
| 776  |                                      | 47   | <b>†</b>             |        | ++                | +                  |          | Z            | 14                   | Ma.  | 67                                      |                |              | e C                  |               |                   | 4             | 4      |        |        | 169        | X  | -        |        |                |               |          | $\vdash$   |         |
| 76   |                                      | 1  | 7                    |        |                   |                    |          | 工            |                      |  | 68                                      |                |              |                      | L             |                   | 1             |        | ]      |        | 1/8        | M  |          |        |                |               |          |            |         |
|  |                                      | 479  | 力                    |        |                   |                    | ساد      | +            |                      | <u> </u>   | 69<br>70                                | $\vdash$       | -            | -                    | ├             | $\vdash \vdash$   | +             | +      | 4      |        | 119        | 4  | _        | -      | $\blacksquare$ |               | _        |            |         |
| 114  |                                      | The state of the s | Ŧ                    |        |                   |                    | 4        |              | 1                    |  | 71                                      | $\forall$      | +            | +                    | -             | H                 | +             | 十      | -      | ļ      | 923        | 1  |          | +      | $\vdash$       | $\vdash$      | +        | +          |         |
| 114  |                                      | 22   |                      |        | $\perp$           | _                  | 4        |              |                      |  | 72                                      | iz.            |              |                      | L.            |                   | _             |        | ]      |        | 472        | 1  |          |        | П              |               |          | П          |         |
| 110  |                                      | EA<br>EA   | H                    | +      | ++                | +                  | +        | <del> </del> |                      |  | 73<br>7 <b>/</b>                        |                | +            | +                    |               | $\vdash$          | +             | +      | -      |        | 10K        | X  | -        | +      | H              | $\dashv$      | +-       | +          |         |
| 119 119 120  |                                      | EA<br>CE   | $\mathbf{I}$         | 4_     |                   |                    | 1        |              |                      |  | 04/                                     |                | 7            |                      |               |                   |               |        |        |        | 125        | 1  |          |        |                |               |          |            |         |
| 120  |                                      |  | H                    | +      | ╁┼                | +                  | +        | +            | -                    |  | 44                                      |                | +            |                      | H             | $\vdash$          |               | -      | -      |        | 126        | <i>y                                    </i> | -        | +      | $\vdash$       | -             |          | -          |         |
| 121  |                                      | 68   |                      |        |                   |                    |          |              |                      |  | 18/                                     |                | 1            |                      |               |                   |               |        |        |        | 125        |  |          | +      |                |               | $\top$   | $\Box$     |         |
| 122  |                                      | <i>6</i>   | $\mathbb{H}$         |        | $\vdash$          | +                  |          | $\bot$       |                      |  | 79                                      | Ш              | _            |                      |               |                   | $\perp$       | $\bot$ | ]      |        | 128<br>130 |  | 9        |        |                |               |          | П          |         |
| 124  |                                      | 89<br>37   | H                    |        |                   | +                  | -        |              | 1                    | <del>                                     </del> | 80<br>81                                | $\vdash$       | +            | +                    | $\vdash$      | $\vdash \vdash$   | $\dashv$      | -      | -      |        | 131        |  | +        | -      | $\vdash$       | $\dashv$      | -        | H          |         |
| 124<br>125<br>126<br>127<br>129<br>129                           |                                      | 176.8  | $\prod$              |        |                   | $oldsymbol{\perp}$ |          |              | ]                    |  | 82                                      | $\Box$         | $\perp$      | 1                    |               |                   | $\downarrow$  |        | ]      |        | 132        | П  | $\perp$  |        |                |               |          | П          |         |
| 120  |                                      | 24   | +                    | +      | ╁╌┼               | +                  | -        |              |                      |  | 83<br>84                                | $\vdash$       | +            | +-                   | ╁             | ╟╫                | +             |        | -      |        | 133<br>134 | $\vdash$                                     | +        | -      | $\vdash$       | +             | -        | Н          |         |
| 128  |                                      | 95   |                      |        |                   |                    |          |              |                      |  | 85                                      |                |              |                      |               |                   | 士             |        |        |        | 135        |  |          |        |                |               |          |            |         |
| 129  | Tel.                                 | 36   | #                    |        |                   |                    |          | -            |                      | _  | 86<br>87                                |                | 4            | +                    | ┡             |                   | +             | +      | _      |        | 136        | Н  |          |        |                | 4             | 1        | $\Box$     |         |
| 188  |                                      | A STATE OF THE STA | <u>)</u> +           |        |                   |                    |          | +            | 1                    |  | 88                                      |                | +            | +                    |               | $\vdash$          | +             | +      | -      |        | 137<br>138 | H  | +        | +-     | $\vdash$       | +             | $\dashv$ | H          |         |
| 183  |                                      | 18   | ¥                    |        | П                 |                    |          |              |                      |  | 89                                      |                | 1            |                      | $\sqsubseteq$ |                   |               | 1      |        |        | 139        | 口  |          |        |                |               |          |            |         |
| 190  |                                      | 41   | 7                    | +      | ╁┼                | +                  | -        | +            |                      |  | 90<br>91                                | $\vdash$       | +            | -                    | -             | $\vdash$          | +             | +      | -      |        | 140<br>141 | $\vdash$                                     |          | ╁      | $\vdash$       | -             |          | Н          |         |
| 192  |                                      | 1  | H                    |        |                   |                    |          |              |                      |  | 92                                      |                | 士            |                      |               |                   | $\pm$         |        |        |        | 142        | $\Box$                                       |          |        |                | $\dashv$      |          | $\Box$     |         |
| non  |                                      | Ski  | #                    | -      | 4                 |                    | 4        | #            | 1                    | <u> </u>   | 93<br>94                                |                | 4            |                      |               | $\Box$            | $\bot$        |        | -      |        | 143        | $\Box$                                       | $\perp$  | $\bot$ | П              | $\perp$       |          | П          |         |
| 215  |                                      |  | F                    | 上      |                   |                    |          | 士            |                      |  | 95                                      |                | $\perp$      | $\pm$                | $\vdash$      |                   | +             | +      | -      |        | 144<br>145 | $\vdash$                                     | +        | +      | H              | +             | +        | $\vdash$   |         |
| 216  |                                      |  | 4                    | $\bot$ |                   | П                  | 丁        | $\bot$       |                      |  | 96                                      |                | 1            |                      |               |                   | #             | $\top$ |        |        | 146        | П  | $\perp$  | 1      | П              | $\Rightarrow$ |          | П          |         |
| 217  |                                      | ***  | +                    | +-     | $\vdash$          | +                  | +        | +            |                      | -  | 97<br>98                                | $\vdash$       | +            | +                    | -             | $\dashv$          | +             | +      | -      |        | 147<br>148 | $\vdash$                                     |          | +      | $\vdash$       |               | -        | $\dashv$   |         |
| 18890192<br>1992<br>1992<br>1992<br>1992<br>1992<br>1992<br>1992 |                                      | STATE OF THE PARTY | Ł                    |        |                   |                    | $\perp$  |              |                      | <u> </u>   | 99                                      |                |              |                      |               |                   | 1             | 1      | ]   l  |        | 149        |  |          |        |                |               | $\pm$    |            |         |
| 220  |                                      | 50   | 41                   |        | <u>L_İ</u>        |                    |          |              | Jiiiii               | L  | 100                                     | Ш              |              |                      |               | $\Box I$          |               |        | ]!!!![ |        | 150        | LΙ   |          |        |                | $\Box$        |          |            |         |
| I.C. Detemb  |                                      | T ·  |                      | . 055  |                   |                    |          |              |                      |  |   |                |              |                      |               |                   |               |        |        |        |            |  |          |        |                |               |          |            |         |

Application/Control No.

Applicant(s)/Patent under Reexamination